

writing data to the second track such that the data written to the first track is encroached only on one side by the data written to the second track.

26. (New) The method of claim 25 further comprising writing data to a last track of the adjacent tracks, wherein one or more intermediate tracks are interposed between the second track and the last track, the write member moving only in the first radial direction in traversing the plurality of tracks such that all data written to a track is encroached only on one side by data subsequently written to the respective adjacent track.

27. (New) The method of claim 25 wherein the write member defines an operable write width and the data storage device comprises a read member defining an operable read width, and wherein the moving step comprises moving the write member a distance substantially equivalent to the read width between adjacent tracks.

28. (New) The method of claim 25 further comprising writing a sequential data record to a selected number of the plurality of adjacent tracks while moving the write member in the first radial direction between writing to adjacent tracks.

29. (New) The method of claim 25 further comprising defining a guard band adjacent each of the first and last tracks of the plurality of adjacent tracks.

30. (New) The method of claim 29 wherein the defining a guard band step is characterized by a guard band having a width at least substantially the width of the write width or greater.

31. (New) A data storage device, comprising:

a rotating disc assembly comprising a disc surface;

a read transducer in operable transducing relationship to the disc surface defining a read width;

a write transducer in operable transducing relationship to the disc surface defining a write width; and

a plurality of adjacent tracks on the disc surface disposed at a track-to-track spacing substantially equivalent to the read width.

32. (New) The data storage device of claim 31 further comprising data written to a first track of the adjacent tracks, and data written to a second track adjacent to the first track, wherein the write transducer is moved in a first radial direction between the first and second tracks such that the data written to the first track is encroached only on one side by the data written to the second track.

33. (New) The data storage device of claim 32 further comprising data written to a last track of the adjacent tracks, wherein one or more intermediate tracks are interposed between the second track and the last track, the write member moving only in the first radial direction in traversing the plurality of tracks such that all data written to each track is encroached only on one side by data subsequently written to the respective adjacent track.

34. (New) The data storage device of claim 31 wherein the write member is moved a distance substantially equivalent to the read width between adjacent tracks.

35. (New) The data storage device of claim 31 further comprising a sequential data record stored to a selected number of the plurality of adjacent tracks while moving the write member in the first radial direction between writing to adjacent tracks.

36. (New) The data storage device of claim 35 further comprising a guard band adjacent each of the first and last tracks of the plurality of adjacent tracks.

37. (New) The data storage device of claim 36 wherein the guard band is characterized by a width at least substantially the width of the write width or greater.

38. (New) A data storage device, comprising:

a data storage disc in operable data reading and writing relationship with a write member
and a read member;

means for storing data on the disc by sequentially writing data on adjacent data storage
tracks of the disc while moving the write member only in a first radial direction
between adjacent tracks so that previously written data is encroached only on one side
thereof by subsequently written data.

39. (New) The data storage device of claim 38 wherein the means for storing data is
characterized by the write member defining an operable write width and the read member
defining an operable read width, the write member moving a distance substantially equivalent to
the read width between adjacent tracks.

40. (New) The data storage device of claim 38 wherein the means for storing data further
comprises a guard band adjacent the plurality of adjacent tracks.

41. (New) The data storage device of claim 40 wherein the means for storing data is
characterized by a guard band having a width at least substantially the width of the write width
or greater.
